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**Methodology for Identifying and Modeling the Key Logistics Processes in
Agri-food Supply Chain**

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Abstract

The main objective of this paper is the design of a systematic methodology for the identification and modeling of key logistics processes in the Agrifood Supply Chain. These processes include both inbound and supply chain - wide logistics activities and have a critical effect on the operational performance of an agrifood business entity. The proposed methodology should enable a company to: 1) Recognize its key logistics processes, 2) Prioritize them based on specific critical success factors, 3) Develop generic models by creating a number of UML diagrams and finally 4) Document them by the use of a pre-defined template. This methodology will act as a customized and easy-to-use tool for agrifood companies enabling them to design and apply an adequate number of standardized business processes based on their special needs.

Keywords: logistics processes, modeling, UML, agrifood supply chain.